

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U. S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Enoree and Tyger Ranger Districts, ~~Sumter~~
National Forest

STATE: South Carolina

AREA WITHIN SURVEY BOUNDARY: 400,000 acres

DATE: August 13, 1979

PERCENT COVERAGE: 25%

AIRCRAFT: Cessna 210

CREW: Barbara Hammond, Susan Myers and Randall Blackburn

REPORT PREPARED BY: B. I. Hammond

SURVEY OBJECTIVES: To detect the presence of southern pine beetle activity within the boundaries of the Tyger and Enoree Ranger Districts.

SURVEY RESULTS AND CONCLUSIONS

A total of 103 spots of red-topped pines ranging in size from two to 200 trees per spot were observed on National Forest and private lands within the boundaries of the Enoree Ranger District. National Forest and private land on the Tyger Ranger District contained a total of 202 spots of red pine trees ranging in size from two to 200 trees per spot (see Table 1).

Southern pine beetle activity is steadily increasing on the Tyger and Enoree Ranger Districts. This is indicated by comparing the recent survey to a previous survey conducted on these Districts in March 1979 (Refer to Aerial Survey Team Report No. 79-3-10). Ground checks by National Forest personnel confirm the drastic increase in southern pine beetle activity on the Enoree and Tyger Ranger Districts. In recent months the ground checks indicated that many southern pine beetle spots have large numbers of green infested trees; an indicator of a rapidly expanding SPB population. Forest Insect and Disease Management and National Forest personnel will continue to monitor this current outbreak. A biological evaluation is being conducted by the Asheville Field Office.

For any additional information, contact

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Table 1.--Summary of Aerial Survey Data - Tyger and Enoree Ranger Districts, Sumter National Forest, South Carolina, August 13, 1979.

Ownership	Infestation Size (# Trees)									
	2-5		6-20		21-50		50+		Total	
	Spots:	Trees	Spots:	Trees	Spots:	Trees	Spots:	Trees	Spots:	Trees
Tyger Ranger District	18	57	50	645	24	795	3	300	95	1797
Private lands	31	121	58	771	13	435	5	650	107	1977
Enoree Ranger District	11	47	34	360	15	590	5	435	65	1432
Private lands	13	57	14	190	6	295	4	500	37	1042